

REMARKS

Claims 1-7 and 9-21 are pending in the present application.

The Examiner has requested information about knowledge and documentation regarding Applicant's and/or Assignee's knowledge of and/or prior experience with human product testing/studies/trials for evaluating products. Applicant hereby submits an unpublished article "A Novel Thermal-Bubble-Based Micromachined Accelerometer" (see Attachment), of which Applicant is a co-author. Applicant also submits that no other information requested by the Examiner is known and/or readily available to Applicant and Assignee.

As shown in FIG. 9 of the above-noted article, the sensitivity of the sensor of the present invention is about 1.8 centigrade degree/g at the operation power of 90 mW, while the sensitivity of the prior art sensor is about 0.1 centigrade degree/g for the operating power of 90 mW. The response time of the sensor of the present invention is about 60 ms, while the response time of the prior art sensor filled up with air is 300 ms. Accordingly, the experimental result shows that the sensor of the present invention has a greater sensitivity and a shorter response time than the prior art sensor.

CONCLUSION

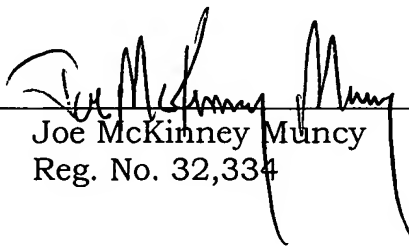
It is believed that a full and complete response has been made to the Office Action, and that as such, the Examiner is respectfully requested to send the application to Issue.

In the event there are any matters remaining in this application, the Examiner is invited to contact Joe McKinney Muncy, Registration No. 32,334 at (703) 205-8000 in the Washington, D.C. area.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. §§1.16 or 1.17; particularly, extension of time fees.

Respectfully submitted,

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